



### Main

|  |   |
|--|---|
| Range of product   | TeSys GB2   |
| Device short name  | GB2   |
| Product or component type  | Circuit breaker   |
| Circuit breaker application                                      | Control circuit   |
| Poles description  | 1P + N  |
| Network type   | AC<br>DC  |
| Utilisation category   | DC-13 conforming to IEC 60947-5-1<br>DC-12 conforming to IEC 60947-5-1<br>Category A conforming to IEC 60947-2  |
| Network frequency  | 50/60 Hz conforming to IEC 60947-2  |
| Breaking capacity  | I <sub>cu</sub> = 3 kA at 230/240 V AC 50/60 Hz conforming to IEC 60947-2<br>I <sub>cu</sub> = 1.5 kA at 24 V DC conforming to IEC 60947-2<br>I <sub>cu</sub> = 10 kA at 110 V AC 50/60 Hz conforming to IEC 60947-2<br>I <sub>cu</sub> = 1 kA at 48 V DC conforming to IEC 60947-2 |
| [I <sub>cs</sub> ] rated service short-circuit breaking capacity | 50 % at 230/240 V AC 50/60 Hz conforming to IEC 60947-2<br>50 % at 110 V AC 50/60 Hz conforming to IEC 60947-2  |
| Trip unit technology   | Thermal-magnetic  |
| Magnetic tripping current  | 40 A  |

### Complementary

|   |  |
|---|--|
| Mounting mode                                       | By clips   |
| Mounting support                                    | Plate<br>Rail  |
| Mounting position                                   | Horizontal<br>Vertical   |
| Control type  | Toggle   |
| [I <sub>n</sub> ] rated current                     | 3 A  |
| [U <sub>e</sub> ] rated operational voltage         | 48 V DC<br>250 V AC 50/60 Hz conforming to IEC 60947-2   |
| [U <sub>imp</sub> ] rated impulse withstand voltage | 4 kV conforming to IEC 60947-2   |
| Power dissipation per pole                          | 2 W  |
| Mechanical durability                               | 8000 cycles  |
| Electrical durability                               | 8000 cycles  |
| Connections - terminals                             | Connector 2 cable(s) 0.75...2.5 mm <sup>2</sup> - cable stiffness : flexible - with cable end<br>Connector 1 cable(s) 0.75...4 mm <sup>2</sup> - cable stiffness : flexible - with cable end<br>Connector 2 cable(s) 0.75...4 mm <sup>2</sup> - cable stiffness : solid - without cable end<br>Connector 1 cable(s) 0.75...6 mm <sup>2</sup> - cable stiffness : solid - without cable end |
| Tightening torque                                   | 1.2 N.m - on connector   |
| Mechanical robustness                               | Vibrations 5 Gn, 5...110 Hz conforming to IEC 60068-2-6<br>Shocks 22 Gn for 20 ms conforming to IEC 60068-2-27   |
| Quantity per set                                    | Set of 6   |
| Height  | 74 mm  |
| Width   | 15 mm  |
| Depth   | 67 mm  |
| Product weight                                      | 0.07 kg  |

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

## Environment

|                                       |  |
|---------------------------------------|--|
| Standards                             | EN 60947-1<br>EN 60947-2<br>IEC 60947-1<br>IEC 60947-2 |
| Product certifications                | NEMKO<br>UL  |
| Protective treatment                  | TC   |
| IP degree of protection               | IP20 conforming to IEC 60529                           |
| Ambient air temperature for operation | -20...60 °C  |
| Ambient air temperature for storage   | -40...80 °C  |
| Fire resistance                       | 960 °C conforming to IEC 60695-2-1                     |
| Operating altitude                    | 3000 m   |

## Contractual warranty

|        |           |
|--------|-----------|
| Period | 18 months |
|--------|-----------|